



ASHTON HATCHERY ANNUAL REPORT

October 1, 1984 to September 30, 1985



by

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ABSTRACT

During the 1984-85 fish year, Ashton Hatchery received 2,582,016 eyed eggs. Rainbow trout, Kamloops rainbow trout, brown trout, brook trout, cutthroat trout, and grayling were the species hatched.

A total of 39,706 lb of fish were produced at Ashton Hatchery, and this amounted to 2,135,433 fish. Some 3,000 lb numbering 111,020 were Temiscamie strain brook trout that were stocked into Henrys Lake.

Fish feed cost was \$11,666.15, and the hatchery fed 59,605 lb of feed resulting in a conversion rate of 1.394 lb of feed for each pound of fish reared. Cost of feed/lb of fish was 0.275 cents.

The covering of the spring supply pond was completed. All buildings were painted, and a new domestic water pump was installed. A new truck watering station was constructed, and an elevated leach field was installed at Residence No. 1.

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INTRODUCTION

The state fish hatchery at Ashton is located in northern Fremont County three miles southwest of the town of Ashton. Situated at 5,275 ft above sea level, the water source is Black Springs, which originates above the hatchery. This spring is part of Black Spring Creek that eventually flows into the Henrys Fork of the Snake River. The spring has a flow of 5 to 6 cfs. The temperature is a constant 50°F.

The hatchery rearing facilities include a two million egg incubation room supported by two fish rearing areas. These include 600 ft³ of inside vats, and 25,000 ft³ of outside raceway system.

OBJECTIVES

To rear and distribute the following fishes in 15 rivers and streams, and 12 lakes and reservoirs of five eastern Idaho counties that lie within Region 6: (1) 50,000 rainbow trout catchables, (2) 200,000 rainbow trout fingerlings, (3) 350,000 Kamloops trout fingerlings,.. (4) 400,000 brown trout fingerlings, (5) 100,000 brook trout fingerlings, (6) 1,000,000 cutthroat trout fry, (7) 15,000 golden trout fry, and (8) 15,000 grayling fry.

FISH PRODUCTION

The following seven species of fish were reared at Ashton Hatchery this year: rainbow trout, Kamloops rainbow trout, brown trout, brook trout, cutthroat trout, cutthroat x rainbow trout, and grayling. Eyed eggs received were 582,830 rainbow trout, 456,695 Kamloops rainbow trout, 529,330 brown trout, 156,201 brook trout (Temiscamie strain), 825,290 cutthroat trout, and 52,500 grayling.

Table 1. Eyed eggs.

Species	Number	Origin	Strain
Rainbow trout	383,000	Mt. Lassen	
Rainbow trout	199,830	Ennis NFH	Arlee (RA)
Kamloops rainbow trout	456,695	Skane	
Brown trout	499,830	Ply Rock	
Brown trout	29,500	Saratoga NFH	
Brook trout	122,201	Brandon	Temiscamie
Brook trout	34,000	Henrys Lake	Temiscamie
Cutthroat trout	825,290	Henrys Lake	Henrys Lake
Grayling	<u>52,500</u>	Wyoming State	
Total	2,595,016		

Fish received during the year were 41,150 rainbow trout catchables. We received 21,000 from Grace Hatchery, and 20,150 from American Falls Hatchery.

Fry received were 175,000 Kamloops rainbow trout from Jones Hole NFH and 34,106 cutthroat x rainbow trout. From eyed eggs received, the following fish were cultured to be planted or transferred to another facility: (1) 363,363 rainbow trout, (2) 477,300 Kamloops trout, (3) 400,300 brown trout, (4) 111,020 brook trout, (5) 740,900 cutthroat trout, (6) 10,000 grayling, and (7) 32,550 cutthroat x rainbow trout. The total production for Ashton Hatchery was 2,135,433 fish and 39,706 lb.

Table 2. Fish transfers.

To Ashton	Species	Number	Pounds
American Falls	R4	20,150	6,500
Grace	R1	21,000	7,000
Grace	RC	34,106	242
Ennis NFH	R1	5,496	20,011
Jones Hole NFH	K1	175,000	315
From Ashton	Species	Number	Pounds
Clark Fork	BN	326,700	2,825
Grace	R1	124,248	744
Eagle	R1	1,600	4,790
Hayspur	R1	270	1,350

FISH RELEASES

Fish planted from Ashton Hatchery this year are as follows:

Table 3. Fish planted from October 1, 1984 to September 30, 1985.

Species	Numbers	Pounds
Rainbow trout	280,265	37,133
Rainbow trout (Ennis)	3,626	13,871
Kamloops rainbow trout	477,300	7,925
Brown trout	73,600	830
Brook trout	111,020	1,455
Cutthroat trout	740,900	2,225
Cutthroat x rainbow trout	32,550	310
Grayling	10,000	1

FISH FEED UTILIZED

Table 4. Feed consumed at Ashton Hatchery from October 1, 1985 to September 30, 1986.

Size	Type	Pounds	Cost
Starter	Dry	200	\$56.00
No. 1 fry	Dry	750	\$211.25
No. 1 fry	Semi-moist	200	\$107.74
No. 2 fry	Dry	2,600	\$733.95
No. 2 fry	Semi-moist	500	\$269.35
No. 3 fry	Dry	4,200	\$1,163.55
No. 4 fry	Dry	6,500	\$1,263.10
No. 5 crumble	Dry	11,000	\$2,046.90
Pellet, 3/32	Dry	4,000	\$637.60
Pellet, 5/32	Dry	28,400	\$4,823.40
Pellet, 3/16	Dry	1,000	\$175.00
No. 3 fry	Dry (TM-50)	250	\$73.81
Shrimp larval	Dry	5	\$100.00
Totals		59,605	\$11,666.15

Of the 59,605 lb of feed fed, 4,220 lb were fed to the Ennis fish while they were on-station before being transported for planting or transfer. Production fish were fed 55,385 lb of feed for a conversion of 1.394 lb of feed to produce each pound of fish. Cost of feed/lb of fish was 0.275 cents.

FISH HEALTH

The general health of our fish at the time of release was excellent. No major disease outbreaks were encountered. There were two minor outbreaks of bacterial gill disease due to overcrowding in hatchery vats.

HATCHERY IMPROVEMENTS

Hatchery improvements for 1984-85 included covering the remaining portion of the supply pond, installing a new truck water-filling station, new elevated leach field and pumping station at Residence No. 1, a new domestic water pump and pressure tank, and painting inside and outside of all hatchery buildings.

MISCELLANEOUS ACTIVITIES

The brook trout (111,020) and cutthroat x rainbow trout (32,550) released into Henrys Lake were adipose clipped before planting at Ashton Hatchery. This was accomplished by Department personnel with the voluntary assistance of the Upper Snake River Fly Fishermen's Association, and the Henrys Lake Foundation.

ACKNOWLEDGMENTS

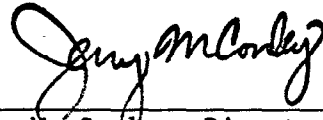
Hatchery staffing during the year included: Roland Warren, Fish Hatchery Superintendent II; Bill Carter, Fish Hatchery Superintendent I; Rob Hill and Denise Peska, bio-aides; and Linda Hill, SYEP.

Submitted by:

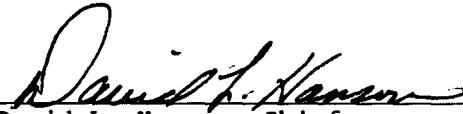
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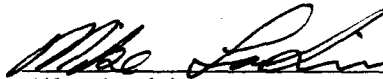
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